Primary unruptured and advanced gestational age ovarian pregnancy in a low resource setting

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ABSTRACT
Introduction: The incidence of ectopic pregnancy has been reported to be as high as 11 cases per 1,000 pregnancies. It is seen in 2-3% of women attending early pregnancy assessment unit. Even with increasing awareness of ectopic pregnancy among women, the prevalence of ectopic pregnancy is showing an increasing trend worldwide. This is especially so in developing countries. Case Description: We report a rare case of ovarian pregnancy (OP) which was diagnosed in the mid-trimester. She was referred to a tertiary centre where she was confirmed to have ovarian pregnancy (OP) after MRI and surgical intervention. Due to advanced gestation, total unilateral salpingo-oophorectomy was done. Discussion: This is a rare case of ovarian ectopic pregnancy at an advanced gestational age. From our literature review, only 12 cases have been reported from a period of 1948 till 2020. There are diagnostic challenges as transvaginal ultrasound only has 2.53% detection rate and in the majority of cases the final diagnosis was only made intraoperatively. 3D-Ultrasound has increased sensitivity in detecting OP while MRI provides excellent tissue contrast over the implantation sites and enables surgeons to strategize the operation and minimize intraoperative complications. In this modern era, ovarian pregnancy is still diagnosed mainly through surgical intervention despite the progress of transvaginal ultrasound and MRI.